Index to Volume 12

Authors and Titles

Aalbers J. See Maritz G S et al. 97

Baier M. See Pustovrh C et al. 269

Bakken M. See Osadchuk L V et al. 119

Basini G, Grasselli F, Ponderato N, Bussolati S, Tamanini C
Lipid hydroperoxide and cGMP are not involved in nitric oxide inhibition of steroidogenesis in bovine granulosa cells 289

Bavister B D. See McDougall K et al. 105

Bell A W. See Greenwood P L et al. 149

Blache D. See Kadokawa H et al. 405

Blache D, Celi P, Blackberry M A, Dynes R A, Martin G B
Decrease in voluntary feed intake and pulsatile luteinizing
hormone secretion after intracerebroventricular infusion of
recombinant bovine leptin in mature male sheep 373

Blackberry M A. See Blache D et al. 373

Bogliolo L. See Leoni G et al. 7

Braastad B O. See Osadchuk L V et al. 119

Braileanu Gh T. See Uzumcu M et al. 157

Brameld J. See Heasman L et al. 345

Brien J F. See Crowe A C et al. 245

Budge H. See Clarke L et al. 69

and Heasman L et al. 345

Bussolati S. See Basini G et al. 289 Buttery P. See Heasman L et al. 345

Calder N A. See Hawkins P et al. 443

Camm E J, Gibbs M E, Cock M L, Rees S M, Harding R T
Assessment of learning ability and behaviour in low birthweight lambs following intrauterine growth restriction 165

Carnahan K G. See Uzumcu M et al. 157

Celi P. See Blache D et al. 373

Cendovva E. See Recabarren S et al. 45

Chang M E. See Crowe A C et al. 245

Cheong H T, Ikeda K, Martinez Diaz M A, Katagiri S, Takahashi Y
Development of reconstituted pig embryos by nuclear transfer of
cultured cumulus cells 15

Clarke I J. See Tast A et al. 277

Clarke L, Firth K, Heasman L, Juniper D T, Budge H, Stephenson T J, Symonds M E

Influence of relative size at birth between twin lambs on growth and glucose homeostasis during juvenile life 69

Cloete S W P. See Lambrechts H et al. 337

Cock M L. See Camm E J et al. 165

Coetzer W A. See Lambrechts H et al. 337

Connor D E. See Jones A R et al. 355 Correa C. See Recabarren S et al. 45

Crowe A C, Chang M E, McLaughlin B E, Brien J F

Nitric oxide formation from glyceryl trinitrate in the developing guinea-pig hippocampus 245

Curlewis J D. See Saunders M C et al. 263

Curtis D J, Zaramody A, Green D I, Pickard A R

Non-invasive monitoring of reproductive status in wild mongoose lemurs (*Eulemur mongoz*) 21

Davis A. See Gomez M C et al. 423

Dawson J. See Heasman L et al. 345

Deledda F. See Leoni G et al. 7

Demmer J. See Stasiuk S J et al. 215

Derrickson S E. See Penfold L M et al. 229

Diskin M G. See Morris D G et al. 39 Dresser B L. See Gomez M C et al. 423 Dynes R A. See Blache D et al. 373

Elliott G. See Fidler A E et al. 191

Eppleston J. See Fogarty N M et al. 31

Evans G. See Fogarty N M et al. 31

and Gillan L et al. 237

and Tast A et al. 277

Evenson D P. See Krzyzosiak J et al. 251

Fidler A E, Zwart S, Pharis R P, Weston R J, Lawrence S B, Jansen P, Elliott G, Merton D V

Screening foods of an endangered parrot, the kakapo (Strigops habroptilus), for oestrogenic activity using a recombinant yeast bioassay 191

Firth K. See Clarke L et al. 69

Fogarty N M, Maxwell W M C, Eppleston J, Evans G
The viability of transferred sheep embryos after long-term

cryopreservation 31

Gemmell R T. See Saunders M C et al. 263

Gibbs M E. See Camm E J et al. 165

Gillan L, Evans G, Maxwell W M C

The interaction of fresh and frozen-thawed ram spermatozoa with

oviducal epithelial cells in vitro 237

Gimeno M A F. See Jawerbaum A et al. 141

and Pustovrh C et al. 269

Gomez M C, Pope C E, Harris R, Davis A, Mikota S, Dresser B L

Births of kittens produced by intracytoplasmic sperm injection of
domestic cat oocytes matured *in vitro* 423

Gonzalez E T. See Jawerbaum A et al. 141

and Pustovrh C et al. 269

Goto S. See Iwamori N et al. 209

Gottsch M L, Van Kirk E A, Murdoch W J

Tumor necrosis factor α up-regulates matrix metalloproteinase-2 activity in periovulatory ovine follicles: metamorphic and endocrine implications 75

Grasselli F. See Basini G et al. 289

Green D I. See Curtis D J et al. 21

Greenwood P L, Slepetis R M, Bell A W

Influences on fetal and placental weights during mid to late gestation in prolific ewes well-nourished throughout pregnancy 149

Hamanaka R. See Takai N et al. 59

Hanson M A. See Hawkins P et al. 443

Harayama H, Miyake M, Kato S

Roles of cyclic adenosine 3',5'-monophosphate and serum albumin in head-to-head agglutination of boar spermatozoa

Harding R T. See Camm E J et al. 165

Harris P M. See McCoard S A et al. 319, 329

Harris R. See Gomez M C et al. 423

Harrison R A P. See Petrunkina A M et al. 361

Hatazawa J, Ota H, Murata M, Igarashi S, Tanaka T

Localization of endothelial nitric oxide synthase messenger ribonucleic acid by *in situ* hybridization in ectopic endometrial tissue in patients with adenomyosis 283

Hawkins P, Steyn C, McGarrigle H H G, Calder N A, Saito T, Stratford L L, Noakes D E, Hanson M A

Cardiovascular and hypothalamic-pituitary-adrenal axis development in late gestation fetal sheep and young lambs following modest maternal nutrient restriction in early gestation Heasman L, Brameld J, Mostyn A, Budge H, Dawson J, Buttery P, Stephenson T J, Symonds M E

Maternal nutrient restriction during early to mid gestation alters the relationship between IGF-I and bodyweight at term in fetal

See also Clarke L et al. 69

Hedrick J L. See McDougall K et al. 105

Henderson K M, Stewart J

A dipstick immunoassay to rapidly measure serum oestrone sulfate concentrations in horses 183

Herzog T L. See Penfold L M et al. 229

Hinds L A. See Jungnickel M K, Hinds L A 457

Hirako M, Takahashi H, Takahashi T

Oestrone sulfate commences an increase around 50 days of gestation in bovine peripheral blood 351

Huhtaniemi I. See Osadchuk L et al. 119

Hwang W S. See Roh S et al. 1 and Yoon K W et al. 133

Igarashi S. See Hatazawa J et al. 283

Ikeda K. See Cheong H T et al. 15

Imai H. See Iwata H et al. 391

Iwamori N, Naito K, Sugiura K, Kagii H, Yamashita M, Ohashi S, Goto S, Yamanouchi K, Tojo H

Phosphorylation of mitogen-activated protein kinase cascade during early embryo development in the mouse 209

Iwata H, Minami N, Imai H

Postnatal weights of calves derived from in vitro matured and in vitro fertilized embryos developed under various oxygen concentrations 391

Jansen P. See Fidler A E et al. 191

Jawerbaum A, Gonzalez E T, Sinner D, Pustovrh C, White V, Gimeno M A F

Diminished PGE2 content, enhanced PGE2 release, and defects in ³H-PGE₂ transport in embryos from overt diabetic rats 141 See also Pustovrh C et al. 269

Jones A R, Connor D E

Fructose metabolism by mature boar spermatozoa 355 Jones B. See Zehr J L et al. 397

Jost L. See Krzyzosiak J et al. 251

Jungnickel M K, Hinds L A

Hormonal profiles in the tammar wallaby, Macropus eugenii, following FSH/LH superovulation 457

Juniper DT. See Clarke L et al. 69

Kadokawa H, Blache D, Yamada Y, Martin G B

Relationships between changes in plasma concentrations of leptin before and after parturition and the timing of first post-partum ovulation in high-producing Holstein dairy cows 405

Kagii H. See Iwamori N et al. 209

Kane P

Reproductive health needs worldwide: constraints to fertility control 435

Katagiri S. See Cheong H T et al. 15

Kato S. See Harayama H et al. 307

Kikuyama S. See Obringer A R et al. 51

Kjellén B. See Tienthai P et al. 173

Krueger C, Rath D

Intrauterine insemination in sows with reduced sperm number 1113

Krzyzosiak J, Evenson D P, Pitt C, Jost L, Molan P C, Vishwanath R Changes in susceptibility of bovine sperm to in situ DNA denaturation during prolonged incubation at ambient

temperture under conditions of exposure to reactive oxygen species and nuclease inhibitor 251

Lai L. See Sun QY et al. 383

Lambrechts H, van Niekerk F E, Cloete S W P, Coetzer W A, van der Horst G

Sperm viability and morphology of two genetically diverse Merino

Lawrence S B. See Fidler A E et al. 191

Ledda S. See Leoni G et al. 7

Lee B C. See Yoon K W et al. 133

Lee E S. See Yoon K W et al.

Leoni G, Bogliolo L, Deledda F, Ledda S, Naitana S Vasoactive intestinal peptide influences hatching of ovine blastocysts 7

Lim J M. See Yoon K W et al. 133

Lobos A. See Recabarren S et al. 45

Love R J. See Tast A et al. 277

Lynch W. See Penfold L M et al. 229

Machaty Z. See Ruddock N T et al. 201

Maritz G S, Matthews H L, Aalbers J

Maternal copper supplementation protects the neonatal rat lung against the adverse effects of maternal nicotine exposure

Martin G B. See Blache D et al. 373 and Kadokawa H et al. 405

Martinez Diaz M A. See Cheong H T et al. 15

Matthews H L. See Maritz G S et al. 97

Maxwell W M C. See Fogarty N M et al. 31

and Gillan L et al. 237

McCoard S A, McNabb W C, Peterson S W, McCutcheon S N, Harris P M

Muscle growth, cell number, type and morphometry in single and twin fetal lambs during mid to late gestation 319

Morphometric analysis of myofibre development in the adductor femoris muscle of single and twin fetal lambs 329

McCutcheon S N. See McCoard S A et al. 319, 329

McDougall K, Hedrick J L, Bavister B D

In situ pH measurements of the Syrian hamster uterus during early pregnancy to determine the role of pH in zona pellucida loss in vivo 105

McGarrigle H H G. See Hawkins P et al. 443

McLaughlin B E. See Crowe A C et al. 245

McNabb W C. See McCoard S A et al. 319, 329

Merton D V. See Fidler A E et al. 191

Micone P. See Pustovrh C et al. 269

Mikota S. See Gomez M C et al. 423

Minami N. See Iwata H et al. 391

Mirando M A. See Uzumcu M et al. 157

Miyakawa I. See Takai N et al. 59

Miyake M. See Harayama H et al. 307

Miyazaki T. See Takai N et al. 59

Molan P C. See Krzyzosiak J et al. 251

Monfort S L. See Penfold L M et al.

Morris D G, Diskin M G, Sreenan J M

Protein synthesis and phosphorylation by elongating 13-15-dayold cattle blastocysts 39

Mostyn A. See Heasman L et al.

Murata M. See Hatazawa J et al. 283

Murdoch W J. See Gottsch M L et al. 75

Murdoch W J, Van Kirk E A

Aetiology of attenuated luteal development in prednisoloneinduced eosinopenic ewes 127

Naitana S. See Leoni G et al. 7

Noa

Nait

Nav

Ota Parl Pen

Peri Pes Pete Peti

Picl

Peti

Pitt Por Por Pra

Pus

Rat Re

Re Ro

Ro

Naito K. See Iwamori N et al. 209

Nave C D, Shaw G, Short R V, Renfree M B

The contraceptive effects of levonorgestrel implants in a marsupial 81

Noakes D E. See Hawkins P et al. 443

O'Brien J K, Roth T

erino

e and

ctor

early

oss

day-

Functional capacity and fertilizing longevity of frozen-thawed scimitar-horned oryx (*Oryx dammah*) spermatozoa in a heterologous *in vitro* fertilization system 413

See also Obringer A R et al. 51

Obringer A R, O'Brien J K, Saunders R L, Yamamoto K, Kikuyama S, Roth T L

Characterization of the spermiation response, luteinizing hormone release and sperm quality in the American toad (*Bufo americanus*) and the endangered Wyoming toad (*Bufo baxteri*) 51

Ohashi S. See Iwamori N et al. 209

Osadchuk L V, Braastad B O, Huhtaniemi I, Bakken M

Alterations of the pituitary–gonadal axis in the neonatal blue fox (Alopex lagopus) exposed to prenatal handling stress 119

Ota H. See Hatazawa J et al. 283

Park J I. See Yoon K W et al. 133

Penfold L M, Wildt D E, Herzog T L, Lynch W, Ware L, Derrickson S E, Monfort S L

Seasonal patterns of LH and testosterone and semen quality in the Northern pintail duck (*Anas acuta*) 229

Pertoft H. See Tienthai P et al. 173

Pesaresi M. See Pustovrh C et al. 269

Peterson S W. See McCoard S A et al. 319, 329

Petrunkina A M, Harrison R A P, Töpfer-Petersen E

Only low levels of spermadhesin AWN are detectable on the surface of live ejaculated boar spermatozoa 361

Petrunkina A M, Töpfer-Petersen E

Heterogeneous osmotic behaviour in boar sperm populations and its relevance for detection of changes in plasma membrane . 297

Pharis R P. See Fidler A E et al. 191

Pickard A R. See Curtis D J et al. 21

Pitt C. See Krzyzosiak J et al. 251

Ponderato N. See Basini G et al. 289

Pope C E. See Gomez M C et al. 423

Prather R S. See Ruddock N T et al. 201 and Sun Q Y et al. 383

Pustovrh C, Jawerbaum A, Sinner D, Pesaresi M, Baier M, Micone P, Gimeno M A F, Gonzalez E T

Membrane-type matrix metalloproteinase-9 activity in placental tissue from patients with pre-existing and gestational diabetes mellitus 269

See also Jawerbaum A et al. 141

Rath D. See Krueger C, Rath D 113

Recabarren S, Lobos A, Cendoyya E, Correa C, Rudolph I

Pituitary responsiveness to diurnal and nocturnal GnRH pulses in melatonin-treated ewe lambs 45

Rees S M. See Camm E J et al. 165

Renfree M B. See Nave C D et al. 81

Rodriguez-Martinez H. See Tienthai P et al. 173

Roh S, Shim H, Hwang W S, Yoon J T

Development of green fluorescent protein (GFP) transgenic bovine embryos after nuclear transfer using different cell cycles and passages of fetal fibroblasts 1

See also Yoon K W et al. 133

Roth T L. See Obringer A R et al. 51 and O'Brien J K et al. 413

Ruddock NT, Machaty Z, Prather RS

Intracellular pH increase accompanies parthenogenetic activation of porcine, bovine and murine oocytes 201

Rudolph I. See Recabarren S et al. 45

Saito T. See Hawkins P et al. 443

Sangild PT. See Trahair J, Sangild PT 87

Saunders M C, Gemmell R T, Curlewis J D

Plasma concentrations of thyroxine and growth hormone in the developing marsupial bandicoot, *Isoodon macrourus* 263

Saunders R L. See Obringer A R et al. 51

Schatten H. See Sun Q Y et al. 383

Shaw G. See Nave C D et al. 81

Shim H. See Roh S et al. 1

Shin T Y. See Yoon K W et al. 133

Short R V. See Nave C D et al. 81

Sinner D. See Jawerbaum A et al 141 and Pustovrh C et al. 269

Slepetis R M. See Greenwood P L et al. 149

Sreenan J M. See Morris D G et al. 39

Stasiuk S J, Summers E L, Demmer J

Cloning of marsupial κ-casein cDNA from the brushtail possum (Trichosurus vulpecula) 215

Stephenson T J. See Clarke L et al. 69

and Heasman L et al. 345

Stewart J. See Henderson K M, Stewart J 183

Steyn C. See Hawkins P et al. 443

Stratford L L. See Hawkins P et al. 443

Sugiura K. See Iwamori N et al. 209

Summers E L. See Stasiuk et al. 215

Sun QY, Lai L, Prather RS, Schatten H

Antioxidants stimulate meiosis resumption, but inhibit mitogenactivated protein kinase phosphorylation and further cell cycle progression in porcine oocytes 383

Suzuki K. See Tienthai P et al. 173

Symonds M E. See Clarke L et al. 69

and Heasman L et al. 345

Takahashi H. See Hirako M et al. 351

Takahashi T. See Hirako M et al. 351

Takahashi Y. See Cheong H T et al. 15

Takai N, Miyazaki T, Miyakawa I, Hamanaka R

Polo-like kinase (PLK) expression in normal endometrium during the menstrual cycle 59

Tamanini C. See Basini G et al. 289

Tanaka T. See Hatazawa J et al. 283

Tannenbaum P L. See Zehr J L et al. 397

Tast A, Love R J, Clarke I J, Evans G

Effects of active and passive gonadotrophin-releasing hormone immunization on recognition and establishment of pregnancy in pigs 277

Terada T. See Zeng W X, Terada T 223

Tienthai P, Kjellén B, Pertoft H, Suzuki K, Rodriguez-Martinez H Localisation and quantitation of hyaluronan and sulphated glycosaminoglycans in the tissues and intraluminal fluid of the pig oviduct 173

Tojo H. See Iwamori N et al. 209

Töpfer-Petersen E. See Petrunkina A M et al. 297, 361

Trahair J F, Sangild P T

Fetal organ growth in response to esophageal infusion of amniotic fluid, colostrum, milk, or gastrin-releasing peptide: a study in fetal sheep 87

Uzumcu M, Carnahan K G, Braileanu Gh T, Mirando M A Oxytocin-stimulated phosphoinositide hydrolysis and prostaglandin $F_{2\alpha}$ secretion by luminal epithelial, glandular epithelial and stromal cells from pig endometrium. II. Response of cyclic, pregnant and pseudopregnant pigs on Days 12 and 16 post oestrus 157

van der Horst G. See Lambrechts H et al. 337 Van Kirk E A. See Gottsch M L et al. 75 and Murdoch W J et al. 127 van Niekerk F E. See Lambrechts H et al. 337 Vishwanath R. See Krzyzosiak J et al. 251

Wallen K. See Zehr J L et al. 397 Ware L. See Penfold L M et al. 229 Weston R J. See Fidler A E et al. 191 White V. See Jawerbaum A et al. 141 Wildt D E. See Penfold L M et al. 229 Yamada Y. See Kadokawa H et al. 405 Yamamoto K. See Obringer A R et al. 51 Yamanouchi K. See Iwamori N et al. 209 Yamashita M. See Iwamori N et al. 209 Yoon J T. See Roh S et al. 1

Yoon K W, Shin T Y, Park J I, Roh S, Lim J M, Lee B C, Hwang W S, Lee E S

Development of porcine oocytes grown in the preovulatory follicles of different sizes after maturation in media supplemented with follicular fluids 133

Zaramody A. See Curtis D J et al. 21
Zehr J L, Tannenbaum P L, Jones B, Wallen K
Peak occurrence of female sexual initiation predicts day of
conception in rhesus monkeys (Macaca mulatta) 397
Zeng W X, Terada T

Freezability of boar spermatoza is improved by exposure to 2-hydroxypropyl-beta-cyclodextrin 223

Zwart S. See Fidler A E et al. 191

